

AMENDMENTS TO THE SPECIFICATION

Please amend the title of the invention on page 1, line 2 as follows:

**OPTICAL TRANSMISSION SYSTEM FOR PERFORMING COMMUNICATION
USING A PLURALITY OF COMMUNICATION LINES**

Please amend the paragraph beginning on page 9, line 20 as follows:

In a thirteenth aspect, the optical transmission system further ~~comprising~~ comprises a first transmission path connected between the receiving device and the transmitting device. The receiving device further includes: a distortion monitoring section for detecting a distortion level at a prescribed frequency in an electric signal obtained by optical-to-electrical conversion via the optical receiving section; and a distortion information transmitting section for transmitting distortion level information about a distortion level detected by the distortion monitoring section to the transmitting device via the first transmission path. The parameter control section sets the individual modulation parameters such that the distortion level indicated by the distortion level information transmitted via the first transmission path becomes lower than or equal to a prescribed distortion level value.